

Listing of Claims

1 Claim 1 (Currently Amended): A method of transferring data from a first end
2 system to a second end system, wherein said first end system and said second end system
3 are connected by a network, said method being performed in said first end system, said
4 method comprising:

5 determining in said first end system whether to send said data in a compressed
6 format;

7 if it is determined to send said data in said compressed format, compressing said
8 data to generate compressed data using a compression approach and sending said
9 compressed data to said second end system on said network; and

10 otherwise, sending said data in an uncompressed format to said second end system
11 on said network,

12 wherein said determining checks a processing load in a previous time duration on
13 said second end system, and determines not to send said data in said compressed format
14 if the processing load in said previous time duration on said second end system is
15 determined to be more than a first threshold.

Claims 2 - 3: (Canceled)

1 Claim 4 (Original): The method of claim 1, wherein said determining checks a type
2 of said data and determines not to send said data in said compressed format if said type
3 does not lend to substantial data compression.

1 Claim 5 (Original): The method of claim 1, wherein said determining examines a
2 size of said data and determines not to send said data in said compressed format if said
3 size is small.

1 Claim 6 (Previously Presented): The method of claim 5, wherein said determining
2 further checks a speed of data transfer on said network and determines not to use said
3 compressed format if said speed is high.

1 Claim 7 (Original): The method of claim 6, wherein said speed is determined by
2 sending an ICMP echo packet.

1 Claim 8 (Previously Presented): The method of claim 1, wherein said determining
2 further checks a speed of data transfer on said network and determines not to use said
3 compressed format if said speed is high,

4 wherein said speed is determined by including a first local time stamp in a packet
5 sent to said second end system, and receiving a second time stamp and a third time stamp
6 from said second end system at a time specified by a fourth local time stamp, wherein said
7 second time stamp indicates a time at which said packet is received in said second end
8 system and said third time stamp indicates a time at which said packet is sent from said
9 second end system, wherein said speed is determined based on said first local time stamp,
10 said second time stamp, said third time stamp, and said fourth time stamp.

1 Claim 9 (Currently Amended): The method of claim 1, wherein said first end
2 system ~~comprises one of a database server and is~~ a database client, and said second end
3 system ~~comprises the other one of said is~~ a database server ~~and said database client~~ such
4 that data is transferred from said database client to said database server.

1 Claim 10 (Original): The method of claim 1, wherein said data comprises software
2 instructions.

1 Claim 11 (Currently Amended): A computer readable medium carrying one or
2 more sequences of instructions for causing a first end system to transfer a second end
3 system, wherein said first end system and said second end system are connected by a
4 network, wherein execution of said one or more sequences of instructions by one or more
5 processors contained in said first end system causes said one or more processors to
6 perform the actions of:

7 determining in said first end system whether to send said data in a compressed
8 format;

9 if it is determined to send said data in said compressed format, compressing said
10 data to generate compressed data using a compression approach and sending said
11 compressed data to said second end system on said network; and

12 otherwise, sending said data in an uncompressed format to said second end system
13 on said network,

14 wherein said determining checks a processing load in a previous time duration on
15 said second end system, and determines not to send said data in said compressed format
16 if the processing load in said previous time duration on said second end system is
17 determined to be more than a first threshold.

Claims 12 - 13: (Canceled)

1 Claim 14 (Previously Presented): The computer readable medium of claim 11,
2 wherein said determining checks a type of said data and determines not to send said data
3 in said compressed format if said type does not lend to substantial data compression.

1 Claim 15 (Previously Presented): The computer readable medium of claim 11,
2 wherein said determining examines a size of said data and determines not to send said
3 data in said compressed format if said size is small.

1 Claim 16 (Previously Presented): The computer readable medium of claim 15,
2 wherein said determining further checks a speed of data transfer on said network and
3 determines not to use said compressed format if said speed is above a second threshold.

1 Claim 17 (Original): The computer readable medium of claim 16, wherein said
2 speed is determined by sending an ICMP echo packet.

1 Claim 18 (Previously Presented): The computer readable medium of claim 11,
2 wherein said determining further checks a speed of data transfer on said network and
3 determines not to use said compressed format if said speed is above a second threshold,
4 wherein said speed is determined by including a first local time stamp in a packet
5 sent to said second end system, and receiving a second time stamp and a third time stamp
6 from said second end system at a time specified by a fourth local time stamp, wherein said
7 second time stamp indicates a time at which said packet is received in said second end
8 system and said third time stamp indicates a time at which said packet is sent from said
9 second end system, wherein said speed is determined based on said first local time stamp,
10 said second time stamp, said third time stamp, and said fourth time stamp.

1 Claim 19 (Currently Amended): The computer readable medium of claim 11,
2 wherein said first end system ~~comprises one of a database server and is a database client,~~
3 and said second end system ~~comprises the other one of said~~ is a database server such that
4 data is transferred from said database client to said database server and said database
5 client.

1 Claim 20 (Previously Presented): The computer readable medium of claim 11,
2 wherein said data comprises software instructions.

1 Claim 21 (Currently Amended): An apparatus for transferring data from a first end
2 system to a second end system, wherein said first end system and said second end system
3 are connected by a network, said apparatus being performed in said first end system, said
4 apparatus comprising:

5 means for determining in said first end system whether to send said data in a
6 compressed format;

7 means for compressing said data to generate compressed data using a compression
8 approach and means for sending said compressed data to said second end system on said
9 network if it is determined to send said data in said compressed format; and

10 means for sending said data in an uncompressed format to said second end system
11 on said network otherwise,

12 wherein said means for determining checks a processing load in a previous time
13 duration on said second end system, and determines not to send said data in said
14 compressed format if the processing load in said previous time duration on said second
15 end system is determined to be more than a third threshold.

Claims 22 - 23: (Canceled)

1 Claim 24 (Original): The apparatus of claim 21, wherein said means for
2 determining checks a type of said data and determines not to send said data in said
3 compressed format if said type does not lend to substantial data compression.

1 Claim 25 (Original): The apparatus of claim 21, wherein said means for
2 determining examines a size of said data and determines not to send said data in said
3 compressed format if said size is small.

1 Claim 26 (Previously Presented): The apparatus of claim 25, wherein said means
2 for determining further checks a speed of data transfer on said network and determines
3 not to use said compressed format if said speed is high.

1 Claim 27 (Original): The apparatus of claim 26, wherein said means for
2 determining determines said speed by sending an ICMP echo packet.

1 Claim 28 (Previously Presented): The apparatus of claim 21, wherein said means
2 for determining further checks a speed of data transfer on said network and determines
3 not to use said compressed format if said speed is high,

4 wherein said means for determining includes a first local time stamp in a packet
5 sent to said second end system, and receives a second time stamp and a third time stamp
6 from said second end system at a time specified by a fourth local time stamp, wherein said

7 second time stamp indicates a time at which said packet is received in said second end
8 system and said third time stamp indicates a time at which said packet is send from said
9 second end system, wherein said speed is determined based on said first local time stamp,
10 said second time stamp, said third time stamp, and said fourth time stamp.

1 Claim 29 (Currently Amended): The apparatus of claim 21, wherein said first end
2 system ~~comprises one of a database server and is~~ a database client, and said second end
3 system ~~comprises the other one of said~~ is a database server such that data is transferred
4 from said database client to said database server and said database client.

1 Claim 30 (Currently Amended): The method of claim 1, wherein said determining
2 checks said processing load in corresponding previous time durations on said second end
3 system periodically including at a first time instance and then at a second time instance,
4 and determines not to send data in said compressed format between said first time
5 instance and said second time instance if the processing load determined at said first time
6 instance is more than said first threshold.

1 Claim 31 (Currently Amended): The method of claim 30, wherein said determining
2 checks processing load on said first end system and determines to ~~send~~ send said data in
3 said compressed format if the processing load on said ~~first~~ second end system is not more
4 than said first threshold and if the processing load on said ~~second~~ first end system is not
5 more than a second threshold.

1 Claim 32 (Currently Amended): The computer readable medium of claim 11,
2 wherein said determining checks said processing load in corresponding previous time
3 durations on said second end system periodically including at a first time instance and
4 then at a second time instance, and determines not to send data in said compressed format
5 between said first time instance and said second time instance if the processing load at
6 said first time instance is more than said first threshold.

1 Claim 33 (Currently Amended): The computer readable medium of claim 32,
2 wherein said determining checks processing load on said first end system and determines
3 to ~~said~~ send said data in said compressed format if the processing load on said ~~first~~ second
4 end system is not more than said first threshold and if the processing load on said ~~second~~
5 first end system is not more than a second threshold.

1 Claim 34 (Currently Amended): The apparatus ~~computer readable medium~~ of
2 claim 21, wherein said means for determining checks said processing load in
3 corresponding previous time durations on said second end system periodically including
4 at a first time instance and then at a second time instance, and determines not to send data
5 in said compressed format between said first time instance and said second time instance
6 if the processing load at said first time instance is more than said first threshold.

1 Claim 35 (Currently Amended): The apparatus ~~computer readable medium~~ of
2 claim 34, wherein said means for determining checks processing load on said first end
3 system and determines to ~~said~~ send said data in said compressed format if the processing
4 load on said ~~first~~ second end system is not more than said first threshold and if the
5 processing load on said ~~second~~ first end system is not more than a second threshold.